FIG. 1

FIG.2A RF SIGNAL

THRESHOLD VALUE

FIG.2B DEFECT SIGNAL

H

L
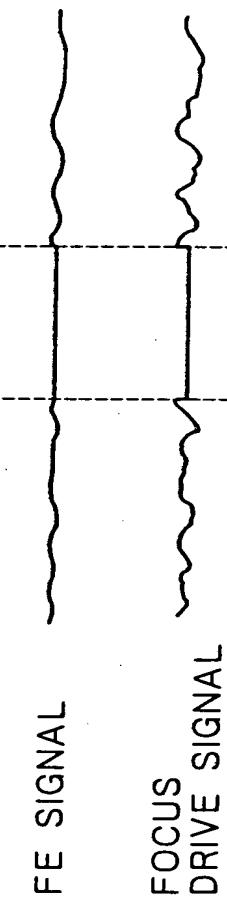
FIG.2C FE SIGNAL

FIG.2D FOCUS DRIVE SIGNAL
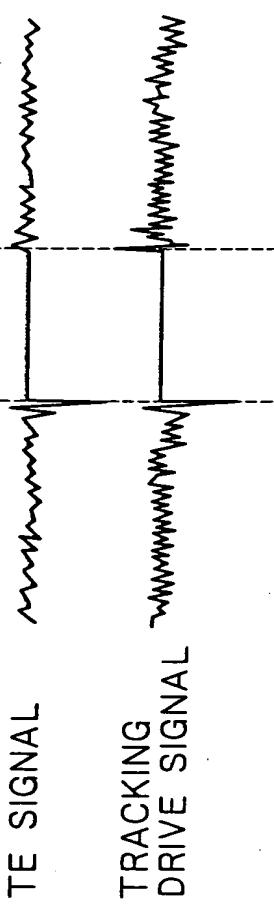
FIG.2E TE SIGNAL

FIG.2F TRACKING DRIVE SIGNAL

FIG.3A DEFECT SIGNAL

FIG.3B FE SIGNAL

FIG.3C FOCUS DRIVE SIGNAL

FIG.3D TE SIGNAL

FIG.3E TRACKING DRIVE SIGNAL

H

L

Tn   Td   Tn

F I G. 4

FIG.5

START DEFECT
HANDLING PROCESSING

TURN PRE-STAGE SWITCHES TO A SIDE
TURN POST-STAGE SWITCHES TO B SIDE S1

IS START OF DEFECT
PERIOD DETECTED ? S2 NO

YES

PROCESSING DURING
DEFECT PERIOD S3

IS END OF DEFECT
PERIOD DETECTED ? S4 NO

YES

PROCESSING AFTER
DEFECT PERIOD S5

IS START OF DEFECT
PERIOD DETECTED ? S6 YES

NO

IS POST-DEFECT PERIOD
PROCESSING TO BE ENDED ? S7

NO

YES
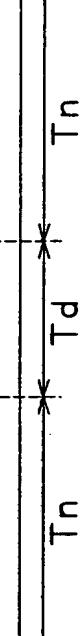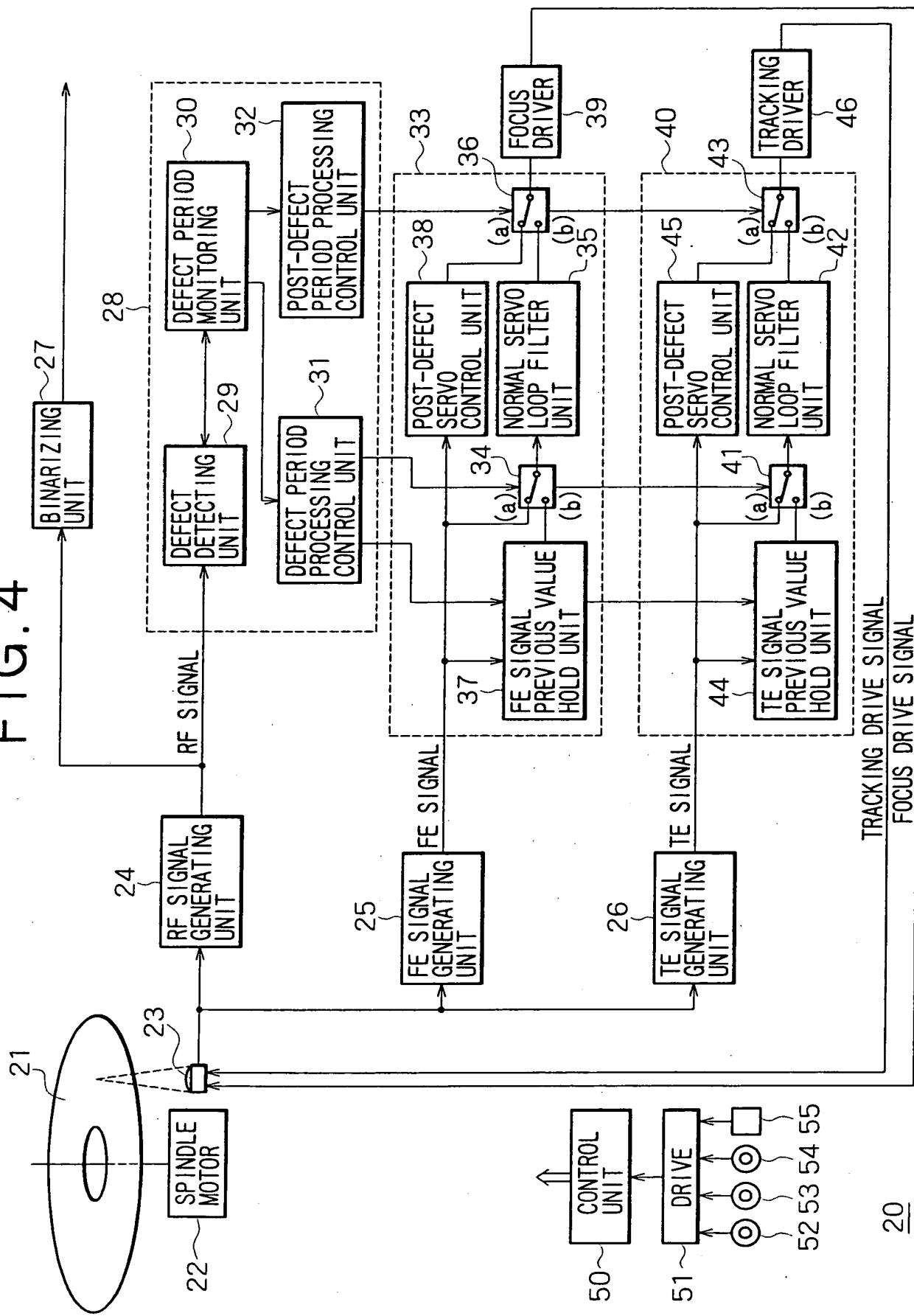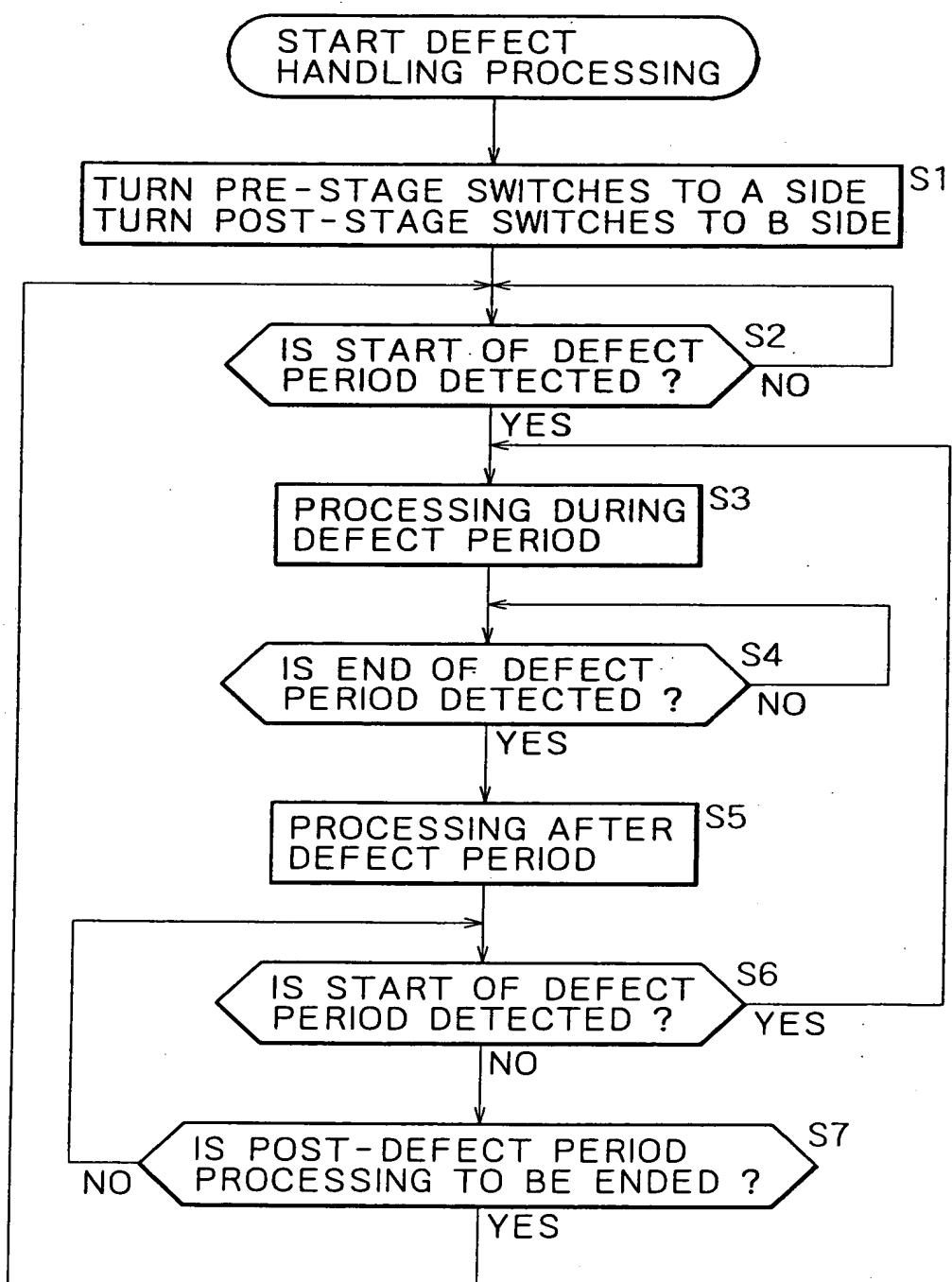
FIG.6A DEFECT SIGNAL

H

L
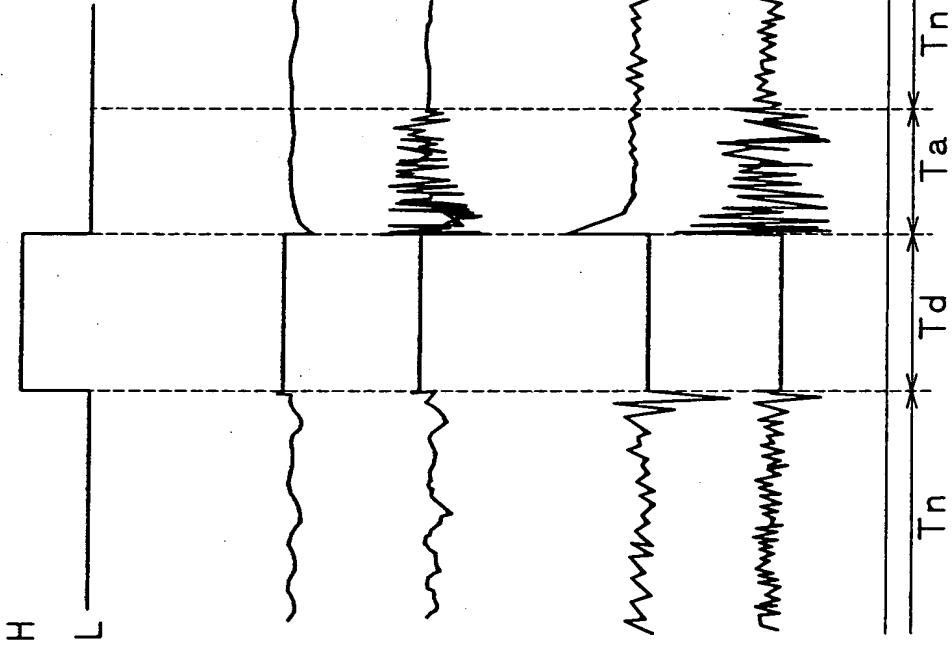
FIG.6B FE SIGNAL

FIG.6C FOCUS DRIVE SIGNAL

FIG.6D TE SIGNAL

FIG.6E TRACKING DRIVE SIGNAL

T_n T_d T_a T_n

FIG.7A DEFECT SIGNAL

FIG.7B FE SIGNAL
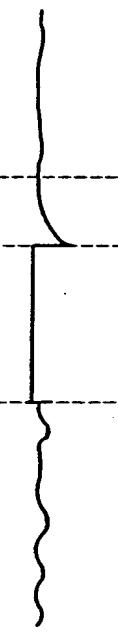
FIG.7C FOCUS DRIVE SIGNAL

FIG.7D TE SIGNAL

FIG.7E TRACKING DRIVE SIGNAL

H

L
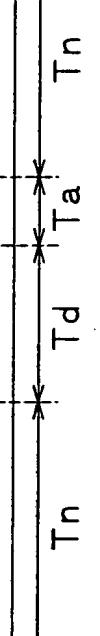
Tn   Td   Ta   Tn

FIG.8A DEFECT SIGNAL

H

L
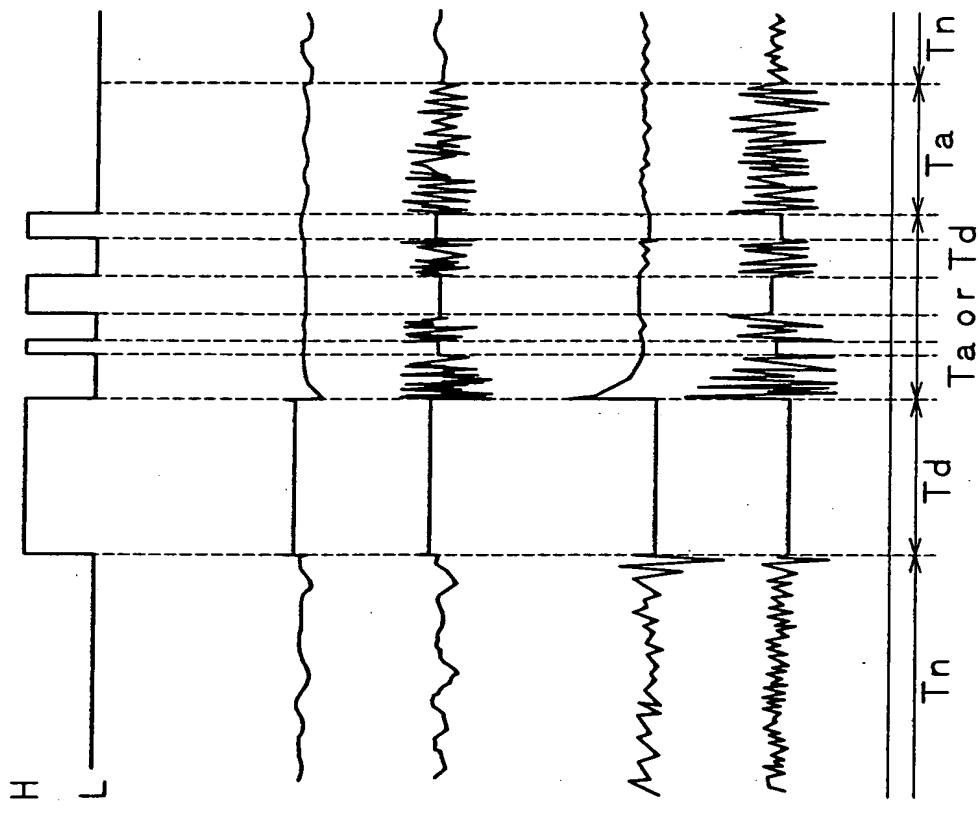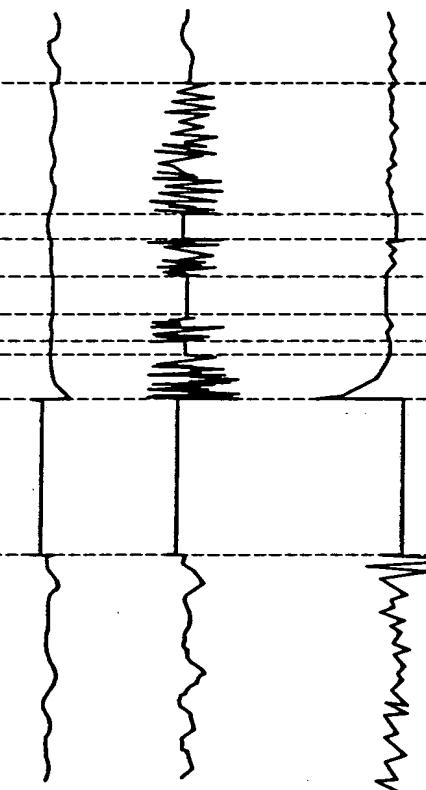
FIG.8B FE SIGNAL

FIG.8C FOCUS DRIVE SIGNAL
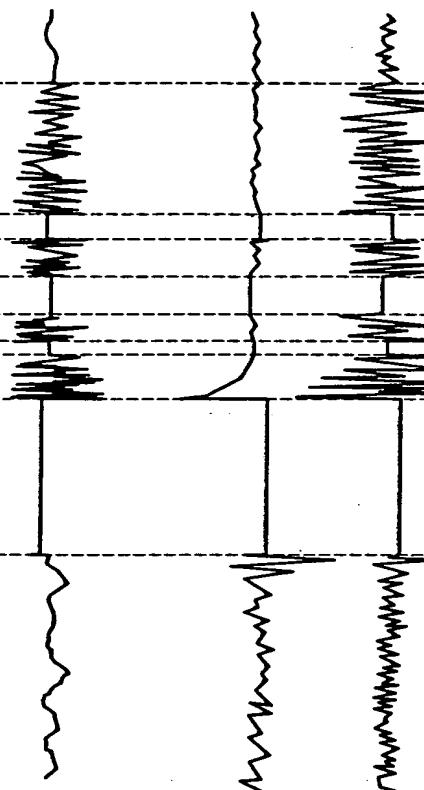
FIG.8D TE SIGNAL
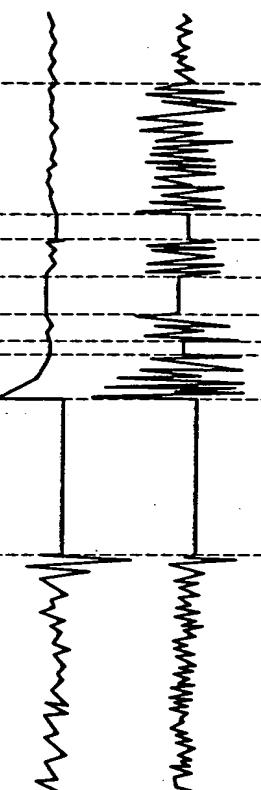
FIG.8E TRACKING DRIVE SIGNAL
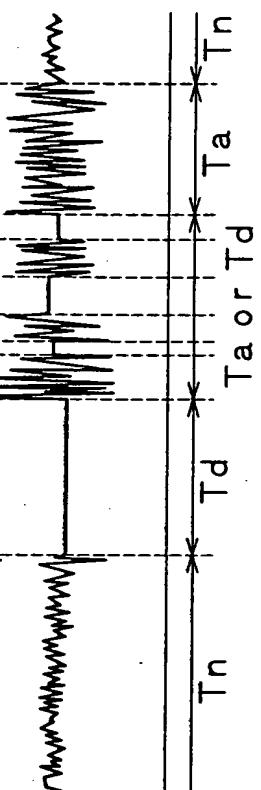
Tn   Td   Ta or Td   Ta   Tn

FIG.9A DEFECT SIGNAL

H
L
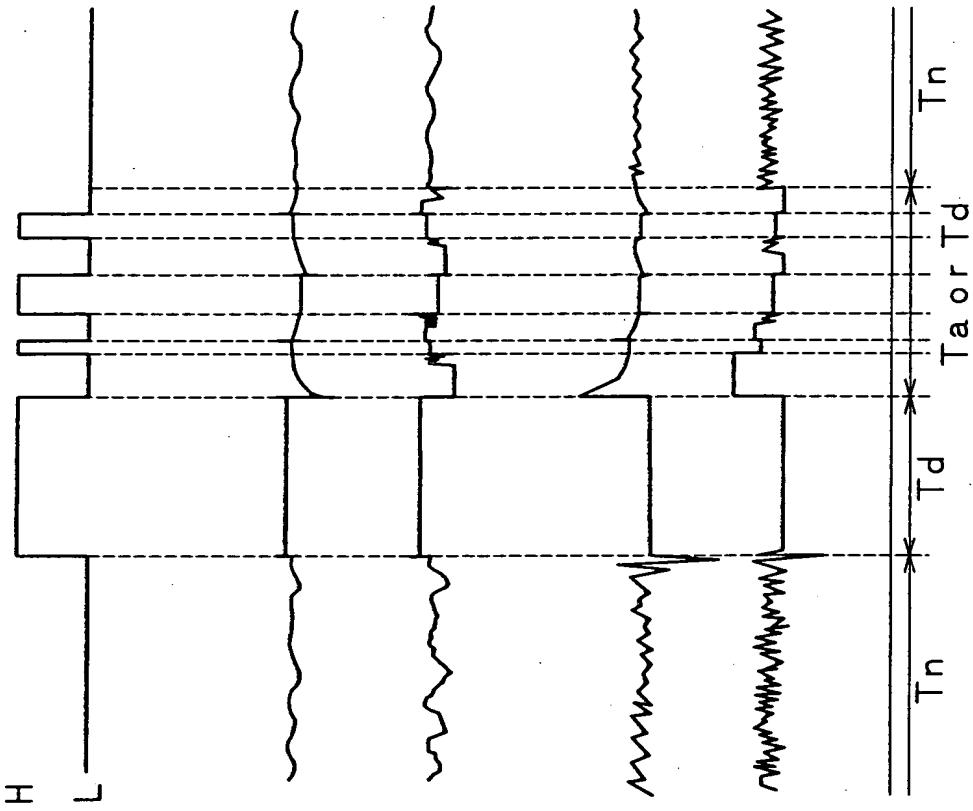
FIG.9B FE SIGNAL

FIG.9C FOCUS DRIVE SIGNAL

FIG.9D TE SIGNAL

FIG.9E TRACKING DRIVE SIGNAL

Tn ← → Td ← → Ta or Td ← → Tn
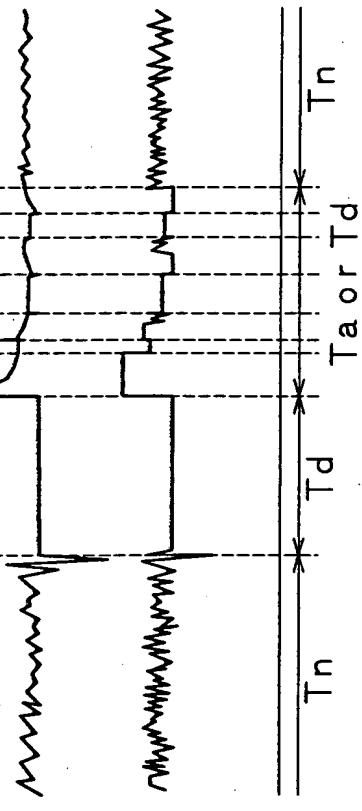
FIG.10A DEFECT SIGNAL
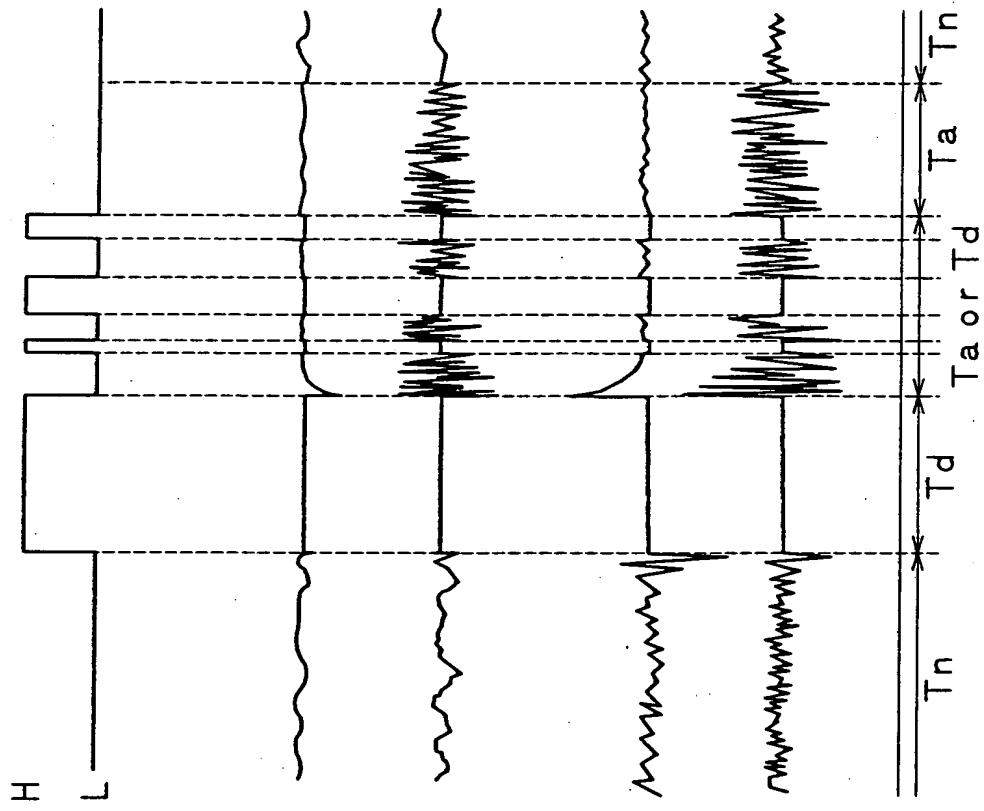
FIG.10B FE SIGNAL

FIG.10C FOCUS DRIVE SIGNAL

FIG.10D TE SIGNAL

FIG.10E TRACKING DRIVE SIGNAL

FIG.11A DEFECT SIGNAL

H
L
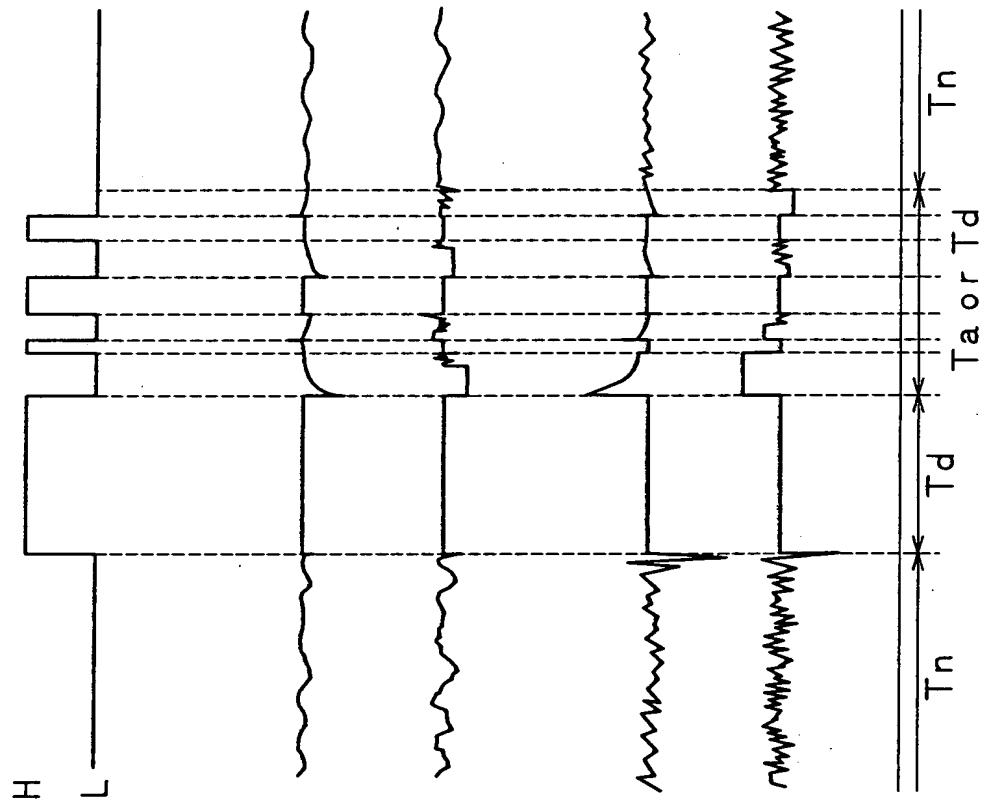
FIG.11B FE SIGNAL
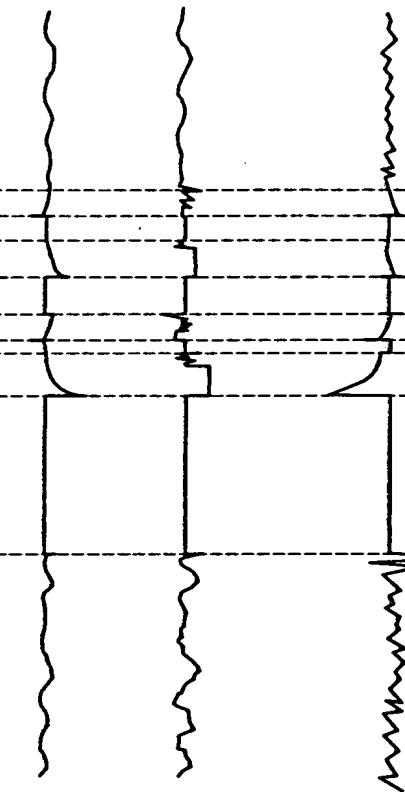
FIG.11C FOCUS DRIVE SIGNAL
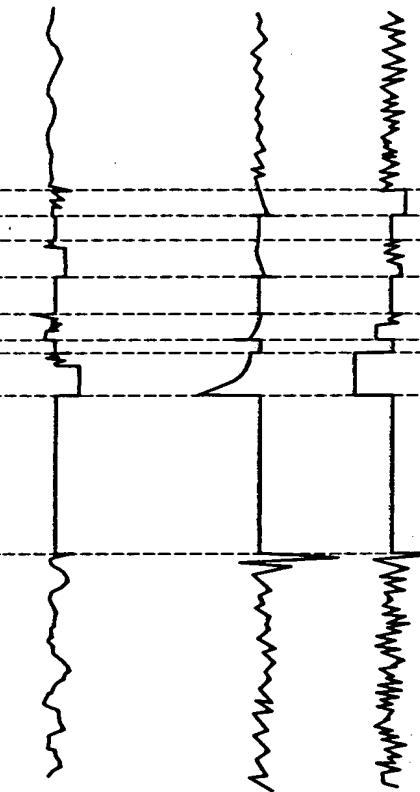
FIG.11D TE SIGNAL

FIG.11E TRACKING DRIVE SIGNAL

Tn   Td   Ta or Td   Tn